

IN THE CLAIMS

1-11. (Canceled).

12. (New) A service system comprising:

an interrogator; and

a computer system,

wherein the interrogator and the computer system are interconnected via at least one of a leased circuit, a public circuit and an Internet;

the interrogator reads first information and a digital signature printed on the surface of a certificate which comprises an electronic tag by a character reading part of the interrogator, receives a second information stored in the electronic tag by an antenna part of a interrogator, and sends the first information and second information and digital signature to the computer system;

the computer system calculates a third information from the first information and the digital signature using RSA and certifies the certificate by comparing the second information with the third information.

13. (New) The service system according to claim 12;
wherein the digital signature is calculated from a
linkage of the first information and the second information.

14. (New) The service system according to claim 12;
wherein the digital signature is calculated from a
sum of the first information and the second information.

15. (New) The service system according to claim 12;
wherein the digital signature is generated from a
third information to the power of a fourth information modulo
a fifth information for a secret key;
the third information comprises the first
information and the second information; and
the secret key comprises the fourth information and
the fifth information.

16. (New) The service system according to claim 12;
wherein the third information is the difference
between the digital signature to the power of a fifth

information modulo a sixth information for a public key and the first information; and

the public key comprises the fifth information and the sixth information.

17. (New) The interrogator according to claim 12;
wherein the certificate is used as a life insurance certificate, non-life insurance certificate, a health insurance certificate, a merchandise coupon, a share certificate, a paper money, a ticket or a passenger ticket.

18. (New) An interrogator which reads a first information and a digital signature printed on the surface of a certificate which comprises an electronic tag by a character reading part of the interrogator, receives a second information stored in the electronic tag by an antenna part of the interrogator, calculates a third information from the first information the digital signature using RSA, and certifies the certificate by comparing the second information with the third information.

19. (New) The interrogator according to claim 18;
wherein the digital signature is calculated from a
sum of the first information and the second information using
RSA.

20. (New) The interrogator according to claim 18;
wherein the digital signature is calculated from a
linkage of the first information and the second information
using RSA.

21. (New) The interrogator according to claim 18;
wherein the digital signature is generated from a
third information to the power of a fourth information modulo
a fifth information for a secret key;
the third information comprises the first
information and the second information; and
the secret key comprises the fourth information and
the fifth information.

22. (New) The interrogator according to claim 18;

wherein the third information is the difference between the digital signature to the power of a fifth information modulo a sixth information for a public key and the first information; and

the public key comprises the fifth information and the sixth information.

23. (New) The interrogator according to claim 18;
wherein the certificate is used as a life insurance certificate, non-life insurance certificate, a health insurance certificate, a merchandise coupon, a share certificate, a paper money, a ticket or a passenger ticket.